

FERGUS MORRISSEY
32415 Road 138 – Visalia, CA 93292
(559) 280-7382(c)
Email - fergnbetsy@yahoo.com

PROFESSIONAL EXPERIENCE

Orange Cove Irrigation District Orange Cove, CA

Engineer-Manager (May 2008-present)

- Reporting to a five member Board of Directors responsible for general management of the District including; water supply management, grower outreach and communication, water operations, water delivery system engineering, water delivery system operation and maintenance, hydropower plant operation and operation and maintenance, administration, budgeting, contract administration, political and advocacy on the state and federal level.
- Friant Power Authority Board of Directors Advisory Committee representative for the District. Responsible for technical analysis relative to hydropower plant operation, maintenance, construction, general contracting, Power Purchase Agreement development, and power plant valuation of existing and planned projects.

Friant Water Authority / Friant Water Authority Lindsay, CA

Staff Engineer (November 1999 – present) / Construction and Maintenance Engineer (April 1998 – November 1999)

- Responsible for a wide range of engineering activities, involving projects and studies associated with operation and maintenance of the Friant-Kern Canal and water supply of the Friant Division in general.
- Responsible for management of the Friant Kern Canal right-of-way issues, licenses, permits, encroachments, etc.
- Responsible for dealing with public inquiry's regarding the Friant-Kern Canal.
- Responsible for oversight of construction activities by third parties on the Friant Kern Canal.
- Responsible for implementing FWA's water quality regulatory compliance program.
- Responsible for writing a variety of technical plans, public correspondence, regulatory correspondence, licenses, permits, etc.

Water Management Research Laboratory – United States Department of Agriculture Fresno, CA

Engineering Research Technician (January 1997 – April 1998)

- Design, install and evaluate irrigation systems for USDA's Agricultural Research Service.
- Evaluate water use efficiencies in irrigated strawberry crops.
- Design and construct delivery systems for application of methyl bromide alternative fumigants.

University of California at Davis Davis, CA

Teaching Assistant/Research Assistant (1995 – 1996)

- Assisted Major Professor in teaching undergraduate coursework in hydrology and agricultural/biological science.
- Conducted laboratory and technical literature research in conjunction with masters thesis work on adsorption / desorption kinetics of VOC's on clay minerals.
- Thesis was published in the Journal of Environmental Science.

United States Geological Survey – Water Resource Division Sacramento, CA

Hydrologist (May 1994 – October 1994 - summer intern)

- Supervised USBR drill crew during the installation of groundwater monitoring wells and continuously cored soil borings across Fresno County, as part of the National Water Quality Assessment Program.
- Described and catalogued subsurface lithology from cores collected during well installations.
- Collected and prepared soil and groundwater samples for DBCP (dibromochloropropane) analysis.

Lockman & Associates Monterey Park, CA

Environmental Project Engineer (1989 – 1992)

- Managed subsurface investigations (Phase I, II and III) at industrial sites.
- Managed and prepared groundwater and air quality assessment tests (SWAT) at active solid waste landfills and Air Toxic Inventory Reports for submittal to local AQMD and RWQCB.
- Prepared subsurface investigation workplans and subsurface investigation reports for regulatory agencies including RWQCB, AQMD, EPA, and DHS.

EDUCATION

University of California Davis: Master of Science in Hydrologic Science (March 1998)

- **Thesis: Sorption Kinetics of Volatile Organic Compounds on Clay Minerals**
- **Coursework** - Hydrogeologic Flow and Transport Modeling (Finite Element Modeling), Vadose Zone Modeling (Finite Differences), Multiphase Transport Phenomena, Soil Microbiology, Stratigraphy, Structural Geology, Soil Physics, Soil Chemistry.

California State Polytechnic University at Pomona: Bachelor of Science in Agricultural Engineering (1988), including extensive Coursework in Electrical Engineering, including power generation.